



The OTI Group (OILTEST, INC.)
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CERTIFICATE OF ANALYSIS

OILTEST FILE NUMBER:	1465	DATE SAMPLED:	5/21/04
SAMPLE NUMBER:	BO145007	DATE TESTED:	5/24/04
PRODUCT:	#6 FUEL OIL		
VESSEL / TANK:	SHORE TANK# 6 (AFTER BARGE FLORIDA)		
TERMINAL NAME:	SPRAGUE		
TERMINAL LOCATION:	PROVIDENCE, RI		

SAMPLE DESCRIPTION SHORE TANK# 6 COMPOSITE

TEST	METHOD	UNITS/COND	RESULT
API GRAVITY	D-287	°API @ 60°F	11.5
FLASH POINT, PENSKY MARTENS	D-93	°F.	200+
POUR POINT	D-97	DEG C/DEG F	-6 / +21
VISCOSITY	D-445	KIN CST @ 122 F	362.7
VISCOSITY	D-2161	SFS @ 122 F	171.2
SULFUR, X-RAY	D-4294	WT PCT	0.894
HEAT OF COMBUSTION	D-240	BTU / LB	18489
	D-240	BTU / GAL	152368
WATER BY DISTILLATION	D-95	VOL PCT	0.35
SEDIMENT BY EXTRACTION	D-473	WT PCT	0.041
WATER & SEDIMENT	D-1796	VOL PCT	0.10
ASH	D-482	WT PCT	0.042
ASPHALTENES	IP-143	WT PCT	5.0
VANADIUM	SOL /DIL	PPM	86
SODIUM	SOL /DIL	PPM	20
NITROGEN	D-5762	WT PCT	0.46
CARBON RESIDUE CONRADSON	D-189	WT PCT	12.7

PAUL ST.GERMAIN

The OTI Group (OILTEST, INC.) Representative

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